

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (canceled)

B1  
Claim 2 (new): An ATM network comprising a physical network with different stations, wherein a stream of ATM cells is transferred from at least one source station to a group of different destination stations via a virtual transmission path between the source station and said different destination stations in the network, said virtual transmission path being distinguished by ATM cells to which a corresponding virtual path identifier (VPI<sub>1</sub>) has been assigned, the virtual path with said virtual path identifier (VPI<sub>1</sub>) comprising various virtual connections, each of said virtual connections being distinguished by ATM cells to which a corresponding virtual connection identifier (VCI<sub>(1..n)</sub>) has been assigned, said group of different destination stations being subdivided into various subgroups of the destination stations, each of the destination stations in each of the subgroups detect VPIs and VCIs associated with the ATM cells appearing at said each station and accept only those ATM cells having a VPI equal to the VPI of said virtual path of the group of the destination stations and a VCI equal to the VCI of the virtual connection of said each subgroup of the destination stations.